

# Course of Study General Engineering Science (English program) (Study Cohort w14)

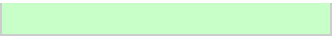
Sample course plan C Bachelor General Engineering Science (English program) (GESBS)  
Specialisation Mechanical Engineering, Focus Biomechanics

Legend:

Core qualification Compulsory	Specialisation Compulsory	Focus Compulsory	Thesis Compulsory
Core qualification Elective	Specialisation Elective	Focus Elective Compulsory	Interdisciplinary complement
Compulsory	Compulsory		

LP	Semester 1	FormHrs/wk	Semester 2	FormHrs/wk	Semester 3	FormHrs/wk	Semester 4	FormHrs/wk	Semester 5	FormHrs/wk	Semester 6	FormHrs/wk																																		
1	<b>Chemistry (GES)</b>		<b>Physics for Engineers (GES) (part 2)</b>		<b>Technical Thermodynamics II</b>		<b>Mechanical Engineering: Design (part 2)</b>		<b>Introduction to Control Systems</b>		<b>Foundations of Management</b>																																			
2	Chemistry I	VL 2	Physics-Lab for ET/IIW-Engineers	PR 1	Technical Thermodynamics II	VL 2	Team Project Design Methodology	POL 2	Introduction to Control Systems	VL 2	Introduction to Management	VL 4																																		
3	Chemistry II	VL 2	<b>Fundamentals of Mechanical Engineering Design</b>	Fundamentals of Mechanical Engineering Design	Technical Thermodynamics II	HÜ 1	Mechanical Design Project II	TT 3	Introduction to Control Systems	UE 2	Project Entrepreneurship	POL 2																																		
4	Chemistry I	HÜ 1			Technical Thermodynamics II	UE 1	<b>Fundamentals of Materials Science (part 2)</b>	Fundamentals of Materials Science II	VL 2	<b>Signals and Systems</b>	Signals and Systems	VL 3	Signals and Systems	HÜ 1																																
5	Chemistry II	HÜ 1			<b>Computer Engineering</b>	Computer Engineering			VL 3						Computer Engineering	UE 1	<b>Measurement Technology for Mechanical and Process Engineers</b>	Measurement Technology for Mechanical and Process Engineers	VL 2	Measurement Technology for Mechanical and Process Engineers	HÜ 1																									
6	<b>Linear Algebra</b>	VL 4																				HÜ 2	UE 2	<b>Technical Thermodynamics I</b>	VL 2	HÜ 1	UE 1	<b>BIO I: Implants and Testing (part 2)</b>	Experimental Methods in Biomechanics	2																
7																															Linear Algebra	HÜ 2	<b>Mathematics III</b>	Analysis III	VL 2	UE 1	HÜ 1	<b>MED II: Medical Basics II (part 2)</b>	Introduction to Physiology	VL 2						
8																															Linear Algebra	HÜ 2									<b>Mathematical Analysis</b>	Mathematical Analysis	VL 4	HÜ 2	UE 2	<b>BIO I: Implants and Testing (part 1)</b>
9			Linear Algebra	UE 2																											<b>Electrical Engineering I</b>	Electrical Engineering I														
10			<b>Electrical Engineering I</b>	VL 3			UE 2	<b>Mathematical Analysis</b>		Mathematical Analysis	HÜ 2	UE 2	<b>Numerical Mathematics I</b>	Numerical Mathematics I																																
11					<b>Mechanics I (GES)</b>	VL 2			HÜ 3						<b>Electrical Engineering II</b>	VL 3	UE 2	<b>Mechanics IV (Kinetics II, Oscillations, Analytical Mechanics, Multibody Systems)</b>	Mechanics IV	VL 3																										
12	<b>Mechanics I</b>	HÜ 3																			<b>Electrical Engineering II</b>	VL 3	UE 2	<b>MED I: Medical Basics I</b>	Introduction to Radiology and Radiation Therapy	VL 2																				
13																											<b>Mechanics I</b>	HÜ 3	<b>Electrical Engineering II</b>	VL 3			UE 2	<b>Heat Transfer</b>	Heat Transfer	VL 3										
14																																					<b>Physics for Engineers (GES) (part 1)</b>	VL 2	UE 1	<b>Mechanics III (GES)</b>	Mechanics III	HÜ 1	UE 2	HÜ 1		
15																															<b>Physics for Engineers</b>	VL 2													UE 1	<b>Electrical Engineering II</b>
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35	<b>Programming in C</b>	
36	Programming in C	VL 1
	Programming in C	PR 1



Nontechnical Complementary Courses for Bachelors (from catalogue) - 6LP

The choice of courses from the catalogue is flexible (depends on the semestral work load), provided the necessary number of required credits is reached.